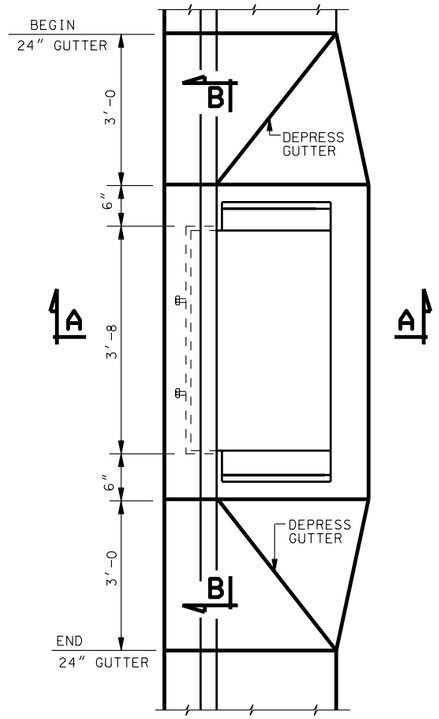
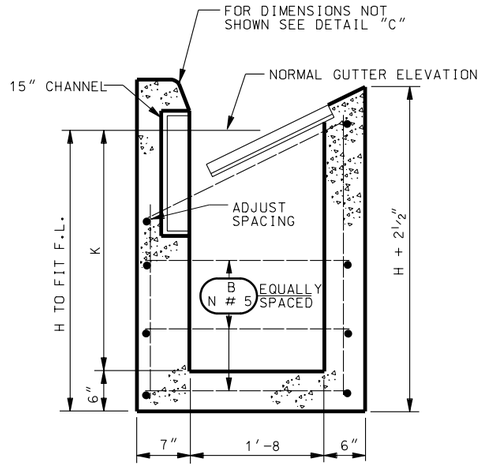
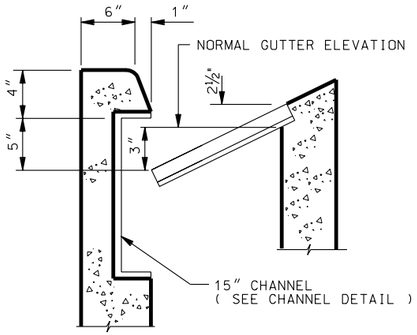


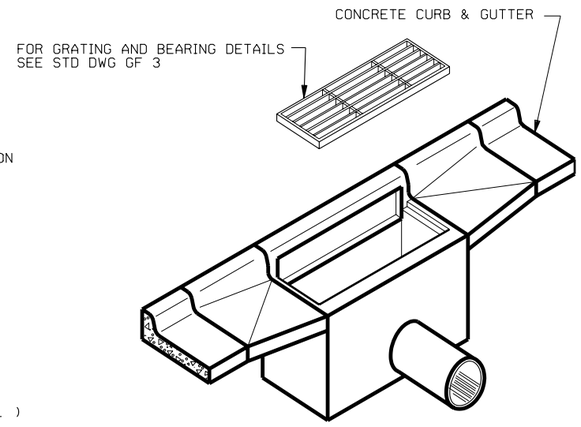
PLAN

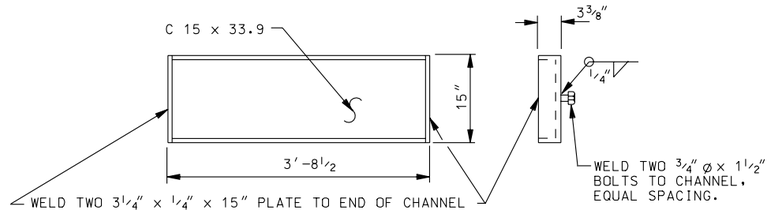


SECTION A-A

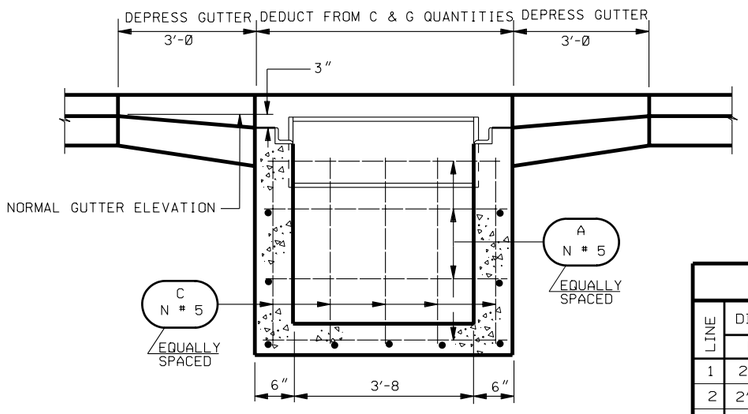


DETAIL "C"





CHANNEL DETAIL



SECTION B-B

TABLE "A"			
R.C.P.		C.M.P.	
DIA.	CU.YDS.	DIA.	CU.YDS.
12"	.024	12"	.015
15"	.036	15"	.023
		18"	.033

NOTE: QUANTITIES IN TABLE "A" ARE FOR PIPE THROUGH 6" WALL.

SCHEDULE OF INSTALLATION

LINE	DIMENSIONS		MAXIMUM PIPE DIA.		REINFORCING STEEL						REIN. STEEL	CONC.
					A		B		C			
	H	K	RCP	CMP	N	LENGTH	N	LENGTH	N	LENGTH	LBS.	CU. YDS
1	2'-0	1'-0	——	15"	7	4'-4	9	2'-5	12	1'-9	76.2	0.63
2	2'-6	2'-0	12"	18"	9	4'-4	11	2'-5	12	2'-3	96.6	0.75
3	3'-0	2'-6	15"	↑	9	4'-4	11	2'-5	12	2'-9	102.8	0.88
4	3'-6	3'-0	↑		11	4'-4	13	2'-5	12	3'-3	123.2	1.00
5	4'-0	3'-6			11	4'-4	13	2'-5	12	3'-9	129.4	1.13
6	4'-6	4'-0			13	4'-4	15	2'-5	12	4'-3	149.8	1.25
7	5'-0	4'-6	15"	18"	13	4'-4	15	2'-5	12	4'-9	156.0	1.38

NOTES:

1. USE COATED DEFORMED BILLET REINFORCING STEEL BARS CONFORMING TO AASHTO M-284 OR M 111 AND M 31 GRADE 60 RESPECTIVELY.
2. USE STRUCTURAL STEEL CONFORMING TO AASHTO M 270 GRADE 36 EXCEPT WHERE NOTED OTHERWISE.
3. HOT-DIP GALVANIZE THE CHANNEL AND END PLATES AFTER FABRICATION IN ACCORDANCE WITH AASHTO DESIGNATION M 111
4. CHAMPHER ALL EXPOSED CONCRETE CORNERS ¾" EXCEPT WHERE NOTED OTHERWISE.
5. PROVIDE 2" CONCRETE COVER TO REINFORCING STEEL EXCEPT WHERE NOTED OTHERWISE.
6. USE CLASS AA(AE) CAST-IN-PLACE CONCRETE EXCEPT WHERE SPECIFIED OTHERWISE.
7. TYPE II CEMENT (LOW ALKALI) REQUIRED.
8. INCLUDE CONCRETE QUANTITIES FOR CURB AND GUTTER IN ROADWAY QUANTITIES
9. FOR LOCATION AND SIZE OF PIPE(S) SEE ROADWAY PLANS.
10. CUT AND/OR BEND REINFORCING STEEL AS NECESSARY TO CLEAR PIPES AND MAINTAIN 2" CLEARANCE.
11. DEDUCT CONCRETE DISPLACED BY PIPES (TABLE "A") FROM CONCRETE QUANTITIES GIVEN IN SCHEDULE OF INSTALLATION.
12. QUANTITIES IN TABLE "A" ARE FOR PIPE THROUGH 6" WALL THICKNESS.

DESIGN DATA

HS 20-44 OR INTERSTATE ALTERNATE MILITARY LOADING IN ACCORDANCE WITH CURRENT AASHTO AND INTERIM SPECIFICATIONS.

STRUCTURAL STEEL: Fs = 20,000 psi

STRUCTURAL CONCRETE:
Fc = 1400 psi
Fs = 24,000 psi
N = 8

QUANTITIES

SEE SCHEDULE OF INSTALLATION

REVISIONS

NO.	DATE	APPR.	REMARKS
1	04/23/03	F.W.	REVISED CURB CALLOUT TOP RIGHT HAND CORNER.

UTAH DEPARTMENT OF TRANSPORTATION
STANDARD DRAWINGS FOR ROAD AND BRIDGE CONSTRUCTION
SALT LAKE CITY, UTAH

RECOMMENDED FOR APPROVAL — APR.24,2003 DATE

CHAIRMAN STANDARDS COMMITTEE APPROVED — APR.24,2004 DATE

DEPUTY DIRECTOR

CURB INLET CATCH BASIN

STD DWG
CB 2

DGN File: N:\Esd\Standard_Drawings\Imperial\Approved\Catch Basins and Closeouts (CB)\CB02.dgn
08-OCT-2003